IB Biology		Per 1		1/13-1/17		
Unit/Theme		Objectives	Activities	Homework	Closure/Review	Assessment
M O N	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day
T U E S	3.5 Genetic modification and biotechnology	Gel electrophoresis is used to separate proteins or fragments of DNA according to size. PCR can be used to amplify small amounts of DNA. DNA profiling involves comparison of DNA. Genetic modification is carried out by gene transfer between species. Clones are groups of genetically identical organisms, derived from a single original parent cell. Many plant species and some animal species have natural methods of cloning. Animals can be cloned at the embryo stage by breaking up the embryo into more than one group of cells. Methods have been developed for cloning adult animals using differentiated cells.	Lab: DNA Fingerprinting *Destain Gels *Photograph Gels Lab: Transformation *Grow E. coli	Print pGlo lab and answer sheet	DNA fingerprint results	DNA Gel electrophoresis Lab Transformation Lab Plant Cloning Lab
W E D	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day
T H U R S	3.5 Genetic modification and biotechnology	Gel electrophoresis is used to separate proteins or fragments of DNA according to size. PCR can be used to amplify small amounts of DNA. DNA profiling involves comparison of DNA. Genetic modification is carried out by gene transfer between species. Clones are groups of genetically identical organisms, derived from a single original parent cell. Many plant species and some animal species have natural methods of cloning.	Lab: DNA Fingerprinting *Destain Gels *Analyze Gels *Plot marker on regular graph paper and semi-log paper Lab: Transformation *Transform E. coli	Finish DNA Fingerprinting Lab Read 3.5	Test material	DNA Fingerprinting Lab Transformation Lab
F R I	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day	Same as A Day